





PAGER Version 3

10,000

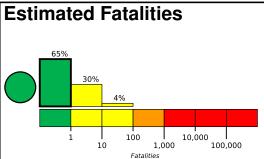
100,000

1,000

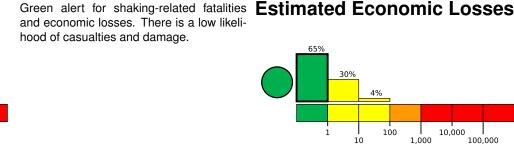
Created: 2 hours, 3 minutes after earthquake

M 5.4, 127 km NE of Hihifo, Tonga

Origin Time: 2020-09-08 08:28:51 UTC (Mon 20:28:51 local) Location: 15.1768° S 172.9244° W Depth: 10.0 km







Estimated Population Exposed to Earthquake Shaking

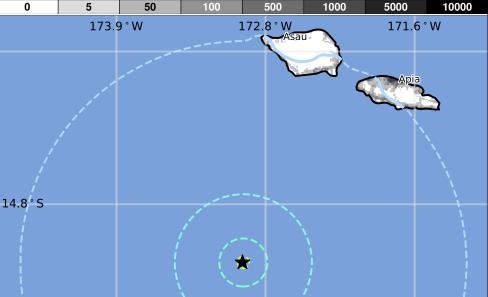
							<u> </u>			
ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	204k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

15.9°S

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are informal (metal, timber, GI etc.) and unknown/miscellaneous types construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1987-10-06	321	7.2	IV(19k)	_
1999-01-05	384	5.9	VII(15k)	_
2006-09-28	185	6.9	IV(197k)	0

Selected City Exposure

MMI	City	Population
Ш	Hihifo	1k
Ш	Lotofaga	1k
Ш	Gataivai	1k
Ш	Mulifanua	5k
Ш	Afenga	2k
Ш	Vailoa	1k
Ш	Leulumoega	1k
Ш	Asau	7k
II	A'opo	0
II	Apia	40k
П	Lufilufi	1k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.